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Your Name _Vijay Shankar_

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Serial # _10/062758_

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Format for Search Results: PAPER   EMAIL

Where have you searched?
EAST ____
NPL ____ where - IEEE, ACM, internet, other

DESCRIBE the scope of your request, such as the area of art, novelty, process or method if applicable. Specify the concepts, synonyms, keywords, acronyms, or definitions and the relationship of the concepts to each other. Please attach a copy of the backgound, abstract, and pertinent claims of the application. **ONLY specifying CLAIM 1 is not enough.**

Litigation

6025,823

STIC Searcher _Kimberly Johnson_   Phone _2-4235_

Date picked up _L_   Date completed _____

DATABASES Searched _Dialog, Circuitlink, Questel_ TEXT _____   LITIGATION _X_

OTHER _30_

Query/Command : prt max legalall

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FAN	-	20062980086012
PN	-	JP10070734 A 19980310 [JP10070734]
		US6025823 A 20000215 [US6025823]
		KR100258524 B1 20000615 [KR100258524]
		JP3178660 B2 20010625 [JP3178660]
TI	-	Color curve control circuit and method
PA	-	SAM SUNG ELECTRONIC
		SAMSUNG ELECTRONICS CO LTD
PA0	-	SamSung Electronics Company, Ltd., Kyungki-do [KR]
IN	-	CHOI CHUN-GEUN
AP	-	1997KR-0024016 19970611; 1997US-0873289 19970611; 1997JP-0169562 19970611
PR	-	1996KR-0020847 19960611; 1997KR-0024016 19970611
IC	-	G09G-001/16
		G09G-003/36
		H04N-009/64
		H04N-009/73
ICAA	-	G09G-001/16 [2006-01 A - I R M EP]; H04N-009/73 [2006-01 A - I R M EP]
ICCA	-	G09G-001/16 [2006 C - I R M EP]; H04N-009/73 [2006 C - I R M EP]
EC	-	G09G-001/16T
		H04N-009/73
ICO	-	S09G-204/06
		S09G-290/08
PCL	-	ORIGINAL (O) : 345101000; CROSS-REFERENCE (X) : 345600000
		348E09051
FI	-	H04N9/73 B
FTM	-	5C066 AA03; 5C066 BA20; 5C066 CA05; 5C066 CA13; 5C066 DD08; 5C066 EA03; 5C066 EA08; 5C066 EA15; 5C066 EA17; 5C066 EB02; 5C066 ED04; 5C066 FA02; 5C066 GA01; 5C066 GA22; 5C066 KA12; 5C066 KE01; 5C066 KE09; 5C066 KE20; 5C066 KM17; 5C066 GA13; 5C066 GA14; 5C066 KD06; 5C066 KM12
CT	-	(US6025823)
		US3927346; US5619229; US5748171; US5852430
CT	-	(JP10070734)
		[19] Citation as reason for refusal of an application
		JP (A) 1996163582 [JP08163582]
		JP (U) 1990057677 [JP02057677U]
		JP (U) 1990013380 [JP02013380U]
		JP (A) 1996126022 [JP08126022]
		JP (A) 1994261334 [JP06261334]
		JP (A) 1992243392 [JP04243392]
AB	-	(US6025823)
		A color curve control circuit includes: a data input unit, for entering values for

changing colors on the screen of a monitor; a microcomputer, for processing color signals corresponding to color temperature using stored color temperature data and a color curve control program, in order to change the colors on the screen according to signals generated by the data input unit, and for generating color gain signals and color cutoff signals; and a digital to analog converter for converting the digital color gain and cutoff signals from the microcomputer into analog signals.

OBJ - (US6025823)

The present invention relates to a color curve control circuit and method. Specifically, this invention easily adjusts the colors as desired by the user, on the screen of a monitor using color gain and cutoff signals corresponding to the color temperature.

ADB - (US6025823)

Therefore, it is necessary to define the desirable three primary colors of light, R, G, and B, and standard white.

An object of the present invention is to improve a color function which enables users to adjust colors to the state they want in a monitor, by adjusting colors displayed on a monitor using the R, G, and B gain and cutoff signals which change according to the color curve in color space.

To achieve these and other advantages, and in accordance with the purpose of the present invention as embodied and broadly described, a color curve control circuit utilizes a data input unit, for entering values to adjust colors on the screen of a monitor, a microcomputer, for processing color signals corresponding to color temperature using stored color temperature data according to a color curve control program in order to change the colors on the screen according to signals generated by the data input unit, and for generating color gain signals and color cutoff signals, and a digital to analog converter for converting the digital color gain and cutoff signals from the microcomputer into analog signals.

The objectives and other advantages of the invention will be realized and attained by the structure as illustrated in the written description and claims hereof, as well as the appended drawings.

For this, monitor manufacturers provide several limited colors, or values, which are most frequently utilized by the users.

Therefore, it is difficult for the users to adjust colors to particular values, and it takes much time.

It is also a problem that the users cannot utilize a color adjustment function even though the monitor has this function.

ICLM - (US6025823)

1. A color curve control circuit comprising:
a data input unit, for entering values to change the colors on the screen of a video monitor;
a microcomputer, for processing color signals corresponding to color temperature using stored color temperature values and a color curve control program in order to change the colors on the screen according to signals received by the data input unit, and for generating digital color gain signals and digital color cutoff signals; and
a digital to analog converter for converting the digital color gain signals and the digital cutoff signals from the microcomputer into analog gain signals and analog cutoff signals.

5. A color curve control circuit comprising:

a data input unit for entering temperature information;
a microcomputer for generating digital red, green and blue video gain signals and
digital red, green and blue video cutoff signals by converting the temperature
information into a digital signal, and processing color signals corresponding to
the temperature information using stored color temperature data and a color
curve control program;
a digital to analog converter for converting the digital red, green and blue video
gain signals and the digital red, green and blue video cutoff signals from the
microcomputer into analog red, green and blue video gain signals and analog
red, green and blue video cutoff signals;
a first amplifier for generating amplified red, green and blue video signals by
receiving red, green and blue video color signals from a computer and
amplifying said red, green and blue video color signals in response to said analog
red, green and blue video gain signals; and
a second amplifier for generating amplified red, green and blue video display
signals, for display on a color monitor, by receiving the amplified red, green and
blue video signals generated by said first amplifier and amplifying said amplified
red, green and blue video signals in response to said analog red, green and blue
video cutoff signals. .

UP   -   2001-08

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1 / 1   CRXX - ©CLAIMS/RRX

PN   -   🖾 6,025,823 A 20000215 [US6025823]
PA   -   Samsung Electronics Co Ltd KR
ACT   -   20020208 REISSUE REQUESTED
               ISSUE DATE OF O.G.: 20020514
               REISSUE REQUEST NUMBER: 10/067758
               EXAMINATION GROUP RESPONSIBLE FOR REISSUEPROCESS: 2673

               Reissue Patent Number:

Search statement   2

UNITED STATES PATENT AND TRADEMARK OFFICE GRANTED PATENT

6025823

February 15, 2000

Color curve control circuit and method

REISSUE: February 8, 2002 - Reissue Application filed Ex. Gp.: 2673; Re. S.N. 10/067,758 (O.G. May 14, 2002)

APPL-NO: 873289 (08)

FILED-DATE: June 11, 1997

GRANTED-DATE: February 15, 2000

CORE TERMS: sub, color, cutoff, video, user, color temperature, curve, microcomputer, monitor, transmitted ...

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6,025,823 OR 6025823

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Patent Search 6025823 5/1/2007

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